11-5821-261-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR RADIO SET AN/ARC-116 (5821-935-5073)

Current as of 30 November 1970

Headquarters, Department of the Army, Washington, D. C.
16 December 1970

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This copy is a reprint which includes current pages from Change 1.

*This manual supersedes so much of TM 11-5821-261-20, 19 July 68, including C 2, 18 April 69 as pertains to repair parts and special tools list.

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SECTION I
INTRODUCTION

1. Scope

This manual lists repair parts required for the performance of organizational maintenance of Radio Set AN/ARC-116.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Prescribed Load Allowance (PLA) — Section II. A composite listing of the repair parts having quantitative allowances for initial stockage at the organizational level.

b. Repair Parts — Section III. A list of repair parts authorized for the performance of maintenance at the organizational level.

c. Special Tools, Test and Support Equipment — Section IV. Not applicable.

d. Federal Stock Number and Reference Number Index — Section V. A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and reference designation.

e. Reference Designation Index — Section VI. A list of reference designations in ascending alpha-numeric sequence cross-referenced to page number.

3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in Sections II and III.

a. Source, Maintenance, and Recoverability Codes (SMR) Column:

(1) Source code, indicates the selection status and source for the listed item. Source codes are:

Code	Explanation
P	Repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system and authorized for use at indicated maintenance categories.
P2	Repair parts which are procured and stocked for insurance purposes because the combat or military essentially of the end item dictates that a minimum quantity be available in the supply system.
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.
P10	Assigned to items which are NSA design controlled: special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic system.
M-	Repair parts which are not procured or stocked, but are to be manufactured in indicated maintenance levels.
A-	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X-	Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
X2	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalizations. Parts are not obtainable through cannibalization will be requisitioned, with accompanying justification, through normal supply channels.
G-	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level code is:

Code	Explanation
O	— Organizational Maintenance

(3) Recoverability code indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

Code	Explanation
R	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis.
S	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T	Applies to high dollar value recoverable repair parts which are subject to special handling and are issued on an exchahge basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
U	Applies to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.

Note. When there is no code indicated in the recoverability column, the part will be considered expendable.

b. Federal Stock Number Column. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description Column. This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parenthesis.

d. Unit of Measure (U/M) Column. A 2-character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft., ea.' pr., etc.

e. Quantity Incorporated in Unit Column. This column indicates the quantity of the item used in an assembly. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (i.e., shims, spacers, etc).

f. 15-Day Organizational Maintenance Allowance Column.

(1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn opposite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the density column applicable to the number of items supported to obtain the total quantity of repair parts authorized.

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. *Example*, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-AC, Fort Monmouth, N.J., 07703, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the USA ECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

g. Illustration Column. This column is divided as follows:

(1) Figure Number Column. Indicates the figure number of the illustration in which the item is shown.

(2) Item Number or Reference Designation, Column. Indicates the reference designation used to reference the item in the illustration.

4. Special Information

The following publications pertain to the Radio Set AN/ARC-116 and its components.

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b. Parts which require stockage, manufacture or assembly at a category of maintenance higher than that authorized for installation will indicate in the source column the higher category, i.e.; MD, AF, PH, etc.

5. How to Locate Repair Parts

a. When Federal stock number or reference number is unknown:

(1) *First.* Find the illustration covering the item to which the repair part belongs.

(2) *Second.* Identify the repair part on the illustration and note the illustration figure and reference designation of the repair part.

(3) *Third.* Refer to Reference Designation Cross-Reference to Page Number Index. Locate page number refer to applicable page. Locate item in Item Number column. This index is in Reference Designator order.

b. When Federal stock number or reference number is known:

(1) *First.* Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the reference designator, locate the page number in the reference designator to page number index. Follow procedure outlined in paragraph 5a(3).

c. When the reference designation is known:

(1) *First.* Locate the reference designation in the

Index-Reference Designation Cross-Reference to Page Number.

(2) *Second.* Note the page number; then locate the item in the list by the page number.

6. Federal Supply Codes for Manufacturers

Code	*Manufacturer*
80063	Army Electronics Command Procurement and Production Directorate
96906	Military Standards Promulgated By Standardization Div. Directorate of Logistic Service DSA

7. Recommendations for Maintenance Publications Improvements

The reporting of errors, omissions, and recommendations for improving this equipment manual by the individual user, is authorized and encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-EM Fort Monmouth, N.J. 07703.

SECTION II. PRESCRIBED LOAD ALLOWANCE

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION / USABLE ON CODE	(3) 15-DAY ORG. MAINT. ALLOWANCE			
		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
5920-903-1008	FUSE, SM-A-595876-2 (80063)	1	2	2	2

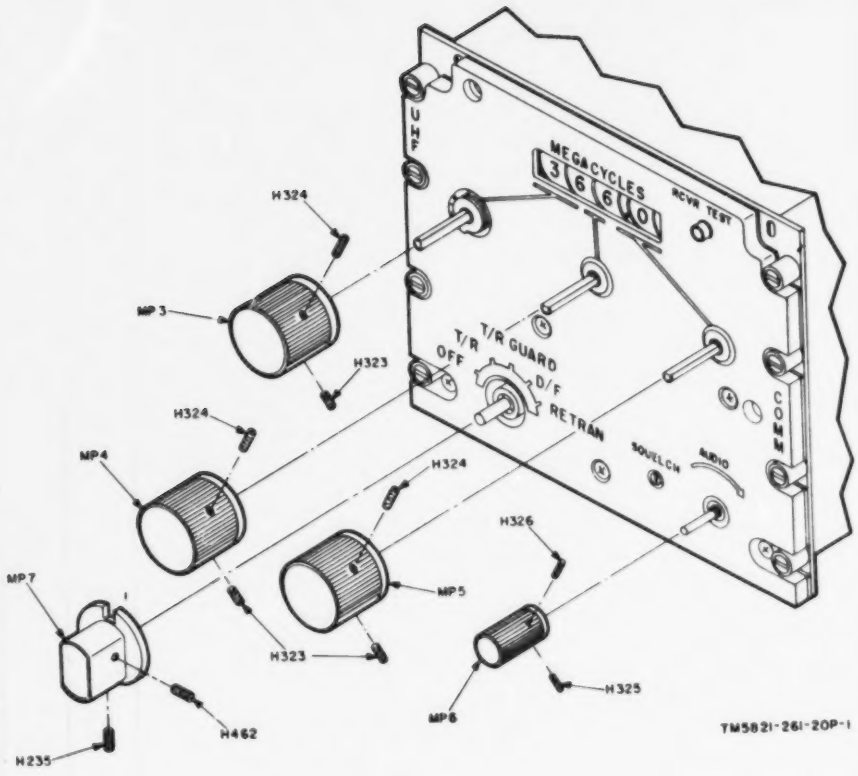

Figure 1. AN/ARC-116 Panel Assembly.

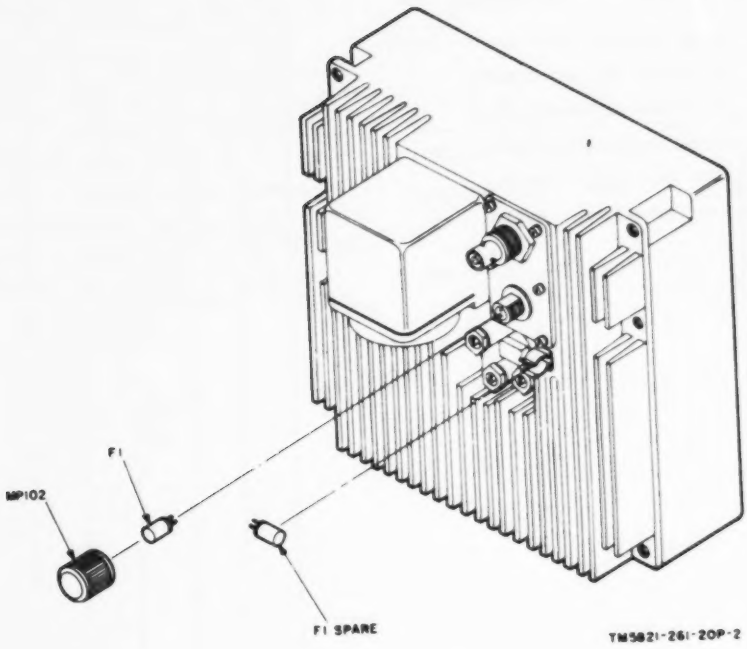

Figure 2. AN/ARC-116 Rear Assembly.

SECTION III. REPAIR PARTS LIST

(1) SMR CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number & Mfr. Code / Usable On Code	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE				(7) ILLUSTRATION	
						(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIGURE NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P	O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)	EA	1	*	*	*	*	1	MP3
P	O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)	EA	1	REF	REF	REF	REF	1	MP4
P	O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)	EA	1	REF	REF	REF	REF	1	MP5
P	O	5305-719-5346	SETSCREW, MS51963-35 (96906)	EA	6	*	*	*	*	1	H323-324
P	O	5355-880-5549	KNOB, ROUND, SM-C-618047 (80063)	EA	1	*	*	*	*	1	MP6
P	O	5305-717-6950	SETSCREW, MS51963-9 (96906)	EA	2	*	*	*	*	1	H325-326
P	O	5355-880-5546	KNOB, CONTROL, SM-D-595979-3 (80063)	EA	1	*	*	*	*	1	MP7
P	O	5305-719-5342	SETSCREW, MS51963-34 (96906)	EA	1	*	*	*	*	1	H235
P	O	5305-719-5349	SETSCREW, MS51963-37 (96906)	EA	1	*	*	*	*	1	H462
P	O	5920-903-1008	FUSE, SM-A-595876-2 (80063)	EA	1	1	2	2	2	2	F1
P	O	5920-110-7800	CAP, SM-A-595875-1 (80063)	EA	1	*	*	*	*	2	MP102
P	O	5920-903-1008	FUSE, SM-A-595876-2 (80063)	EA	1	REF	REF	REF	REF	2	F1 SPARE

SECTION V. INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND REFERENCE DESIGNATION

Stock Number	Figure No.	Reference Designation
5305-717-6950	1	A1A1H325-326
5305-719-5342	1	A1A1H235
5305-719-5346	1	A1A1H323-324
6305-719-5349	1	A1A1H462
5355-880-5546	1	A1A1MP7
5355-880-5548	1	A1A1MP3-5
5355-880-5549	1	A1A1MP6
5920-110-7800	2	A2MP102
5920-903-1008	2	A2F1, A2F1 SPARE

Reference No.	Mfg Code	Fig No.	Reference Designation
MS51963-34	96906	1	A1A1H235
MS51963-35	96906	1	A1A1H323-324
MS51963-37	96906	1	A1A1H462
MS51963-9	96906	1	A1A1H325-326
SM-A-595875-1	80063	2	A2MP102
SM-A-595876-2	80063	2	A2F1, A2F1 SPARE
SM-C-617814	80063	1	A1A1MP3-MP5
SM-C-618047	80063	1	A1A1MP6
SM-D-595979-3	80063	1	A1A1MP7

SECTION VI. INDEX-REFERENCE DESIGNATION CROSS-REFERENCE TO PAGE NUMBER

Reference Designation	Page No.	Reference Designation	Page No.	Reference Designation	Page No.
A1A1H235	6	A1A1H462	6	A1A1MP7	6
A1A1H323	6	A1A1MP3	6	A2F1	6
A1A1H324	6	A1A1MP4	6	A2F1 SPARE	6
A1A1H325	6	A1A1MP5	6	A2MP102	6
A1A1H326	6	A1A1MP6	6		

TM 11-5821-261-20P
C 1

CHANGE
No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., *28 February 1972*

Organizational Maintenance Repair Parts and Special Tools List

RADIO SET AN/ARC-116
(FSN 5821-935-5073)

TM 11-5821-261-20P, 16 December 1970, is changed as follows:

Page 1. Line 9 of contents, add: Not applicable after prescribed load allowance.

Page 2. Paragraph 2*a*, delete sentence after subparagraph heading and add: Not applicable.

Page 3. Paragraphs 3*f* (1), (2), (3), and (4), delete and substitute the following:

f. 15-day Organizational Maintenance Allowance Column. The allowance columns are divided into four subcolumns. An asterisk in the columns opposite the first appearance of each item indicates the repair part is authorized on an "as required" basis. Stockage will be based on demand in accordance with AR 710-2. Subsequent appearances of the same item will have the letters "REF" in the allowance columns.

Page 4, paragraph 7, line 6. Change ATTN: AMSEL-ME-NMP-EM to AMSEL-MA-M.

Page 5. Section II, Prescribed Load Allowance is deleted in its entirety.

The following changes are made in the illustrations on pages indicated.

Page 5A. Figure 1. Add note: Prefix all reference designations with A1A1.

Page 5B. Figure 2. Add note: Prefix all reference designations with A2A2.

The following changes are made in section III.

Page 6. Delete all stockage quantities in Column 6 and replace with asterisks.

By Order of the Secretary of the Army:

W. C. WESTMORELAND,
General, United States Army,
Chief of Staff.

Official:

VERNE L. BOWERS,
Major General, United States Army,
The Adjutant General.

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By Order of the Secretary of the Army:

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